Name of Work: Providing and Installation of Water fountains in ward no. 10 Doddabommasandra

Detailed Measurements

Measurement Recorded On:

1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (PWD SR 2018-19, I No-19.1, P No-143)								
		Nos.		L		W	H/D	Qty.	Unit
	Waterbody Excavation	1	x 1	2.34		2.34	0.150	0.58	
	Sump Excavation	1	x 1	1.50		1.50	1.200	2.70	
							Total	3.28	Cum

Contractor

Asst. engineer

Asst.Exec. Engineer

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Name of Work: Providing and Installation of Water fountains in ward no. 10 Doddabommasandra

Detailed Measurements

Measurement Recorded On:

2	Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. (PWD SR 2018- 19 It No. 2.13 Pg. No.7)								
		Nos.			L	W	H/D	Qty.	Unit
	Top of Waterbody	1	x	1	2.34	7.34	0.050	0.86	
							Total	**0.86**	**Cum**

Contractor

Asst. engineer JV | 2 Asst.Exec. Engineer

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Name of Work: Providing and Installation of Water fountains in ward no. 10 Doddabommasandra

Detailed Measurements

Measurement Recorded On:

3	Providing and laying in position plain cement concrete of Mix 1:5:10 with OPC @ 160kgs, with 40mm and down size graded granite metal coarse aggregates @0.86cum and fine aggregtes @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. (PWD SR 2018-19 It No.4.4 Pg. No.13)								
		Nos.			L	W	H	Qty.	Unit
	Waterbody Base	1	x	1	2.34	7.34	0.075	1.29	
							Total	**1.29**	**Cum**

Contractor

Asst. engineer

Asst.Exec. Engineer

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Name of Work: Providing and Installation of Water fountains in ward no. 10 Doddabommasandra

Detailed Measurements

Measurement Recorded On:

4	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (PWD SR 2018-19 It No.4.6 Pg. No.13)							
		Nos.		L	W	H	Qty.	Unit
	Waterbody Base	1	x 1	2.34	7.34	0.085	1.46	
						Total	**1.46**	**Cum**

16/2

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Name of Work: Providing and Installation of Water fountains in ward no. 10 Doddabommasandra

Detailed Measurements

Measurement Recorded On:

5	Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 5.0Newton per sqmm (table moulded) with cement mortar 1:6 for basement and superstructu/re including cost of materials, labour charges, scaffolding, curing complete as per specifications. (PWD SR 2018-19 It No.6.6 Pg. No.29)										
		Nos.			L	W	H	Qty.	Unit		
	Waterbody Channels Floor	1	x	1	14.00	0.23	0.450	1.45			
	Sump Walls	1	x	2	1.36	0.23	1.200	0.75			
	Sump Walls	1	x	2	0.90	0.23	1.200	0.50			
							Total	**2.70**	**Cum**		

Contractor

Asst. engineer 20/2

Asst.Exec. Engineer

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Name of Work: Providing and Installation of Water fountains in ward no. 10 Doddabommasandra

Detailed Measurements

Measurement Recorded On:

6 Providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. PWD SR 2018-19 It No. 15.13 Pg. No.115, cement mortar 1:4

	Nos.			L	W	H	Qty.	Unit
Sump Walls	1	x	4	0.90		1.200	4.32	
Waterbody Walls	1	x	1	11.48		0.450	5.17	
Waterbody Outer Walls	1	x	1	14.00		0.300	4.20	
Waterbody Base	1	x	1	2.34	7.34		17.18	
						Total	**30.86**	**Sqm**

Contractor

22/2

Asst. engineer

Asst.Exec. Engineer

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Name of Work: Providing and Installation of Water fountains in ward no. 10 Doddabommasandra

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification.								
	Vide Premeasurement page no.					5.28			
					Present Qty	**5.28**	**Cum**	**353.00**	**1862.55**
2	KSRB 2.6 : Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.								
	Vide Premeasurement page no.					0.86			
					Present Qty	**0.86**	**Cum**	**5250.00**	**4508.60**
3	KSRB 4-1.4 : Providing and laying in position plain cement concrete of Mix 1:5:10 with OPC @ 160kgs, with 40mm and down size graded granite metal coarse aggregates @0.86cum and fine aggregtes @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.								
	Vide Premeasurement page no.					1.29			
					Present Qty	**1.29**	**Cum**	**6220.00**	**8012.42**
4	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing								
	Vide Premeasurement page no.					1.46			
					Present Qty	**1.46**	**Cum**	**7680.00**	**11212.23**
5	KSRB 6-2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 5.0Newton per sqmm (table moulded) with cement mortar 1:6 for basement and superstructu/re including cost of materials, labour charges, scaffolding,								
	Vide Premeasurement page no.					2.70			
					Present Qty	**2.70**	**Cum**	**6200.00**	**16718.42**
6	KSRB15-3 : Providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	Vide Premeasurement page no.					30.86			
					Present Qty	**30.86**	**Sqm**	**325.00**	**10030.02**

Contractor

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15/03

Asst. Engineer

Asst. Exec. Engineer

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	Name of Work: Providing and Installation of Water fountains in ward no. 10 Doddabommasandra										
	Detailed Measurements										
Measurement Recorded On:											
7	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. Specification No. KBS for Ceramic Tiles of size 15x15cms 6mm thick (PWD SR 2018-19 It No.14.36.1 Pg. No.108)										
		Nos.			L	W	H	Qty.	Unit	Rate	Amount
	Sump Walls	1	x	4	0.90		1.200	4.32			
	Waterbody Walls	1	x	1	11.48		0.450	5.17			
	Waterbody Outer Walls	1	x	1	14.00		0.300	4.20			
	Waterbody Base	1	x	1	2.34	7.34		17.18			
							Total	**30.86**	**Sqm**	**1830**	**56476.73**

Contractor

Asst. engineer

5/3

Asst.Exec. Engineer

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Name of Work: Providing and Installation of Water fountains in ward no. 10 Doddabommasandra

Detailed Measurements

Measurement Recorded On:

8	Providing and laying flooring and steps fine dressed granite stone slabs 40 mm thick on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed, including cost of materials, mortar, labour, curing complete as per specifications. (PWD SR 2018-19 It No.14.4 Pg. No.103)										
		Nos.			L	W	H	Qty.	Unit	Rate	Amount
	Periphery Walls Top	1	x	1	14.00		0.300	4.20			
							Total	**4.20**	**Cum**	**12,250.00**	**51,450.00**

Contractor

Asst. engineer

Asst.Exec. Engineer

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Name of Work: Providing and Installation of Water fountains in ward no. 10 Doddabommasandra

Detailed Measurements

Measurement Recorded On:

			Nos.			L	W	H	Qty.	Unit	Rate	Amount
9	Providing half nosing for 40mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM etc., complete as per specification (PWD SR 2018-19 It No.14.54 Pg. No.111)											
	Top Wall	1	x	1		14.00			14.00			
								Total	**14.00**	**Mtr.**	**550.00**	**7700.00**

Contractor

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Asst. engineer

8/3

Asst.Exec. Engineer

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Name of Work: Providing and Installation of Water fountains in ward no. 10 Doddabommasandra

Measurement Recorded On:	Detailed Measurements										
12	A. Design, Supply, Installation, Testing & Commissioning of Dancing Traditional Ring Fountain with Foam Jets consists of 12 feet & 4 feet diameter circular spray rings each 1 no. made up of 2" dia stainless steel 304 grade pipes with necessary inlets & 100 nos. coupling welded for nozzles fixing including necessary support legs to fix the ring on the wall, B. 5 H.P Openwell submersible monoblock water-cooled pump 1 no. (Three phase – 2880 Rpm – 440 V – 50 Hz Suguna or CRI make or Texmo make) made up of high grade cast iron materials, C. Angle adjustable smooth stream nozzles 100 nos. made up of brass with nickel plating, D. Multi color 18 Watts – 12 Volts L.E.D lights 24 nos. made up of stainless steel, sealed with heat resistant, toughened glass provided with stainless steel mounting cradle, E. Supreme make ASTM D1785 SCH 40 UPVC pipes, ASTM D2467 SCH 80 UPVC fittings & control valves, F. Solenoid Valves 5 nos. for dancing effects G. Sequential control unit consists of preprogrammed and automatic ON – OFF for dancing effects, necessary wire mesh unit made up of stainless steel with stainless steel frame for protect the pump from the dust and garbage articles and necessary electrical items like Control Panel made up of 16 SWG powder coated mild steel including BCH / L&T make panel board for 3 H.P pump consisting of isolated switch, phase lights, start and stop push buttons, contactor, relay, volt meter, ammeter in a powder coated mild steel enclosures, 40 Amps 4 pole Legrand / L&T make isolator, 20 amps single pole Legrand / L&T make miniature circuit breaker, necessary 1.0 Sq.mm 4 core Havels /Polygon / Finolex make electric cables for lights, automatic colour changing ON- OFF timer control										
		Nos.			L	W	H	Qty	Unit	Rate	Amount
	Inside Waterbody	1	x	1	1.00			1.00			
							Total	1.00	Unit	1235000.00	1235000.00
								Total			1402970.96
								GST 12%			20156.52
								Grand Total			1423127.48

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Contractor

11/02/21

Asst. engineer

Asst.Exec. Engineer

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